

Project Title	Funding	Institution
Neural and cognitive mechanisms of autism	\$0	Massachusetts Institute of Technology
The Role of Cation/Proton Exchanger NHE9 in Autism	\$62,500	University of California, San Francisco
Rebuilding Inhibition in the Autistic Brain	\$0	Brandeis University
Examination of the mGluR-mTOR pathway for the identification of potential therapeutic targets to treat fragile X	\$0	University of Pennsylvania
Novel therapeutic targets to treat social behavior deficits in autism and related disorders	\$0	University of Texas Health Science Center, San Antonio
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	\$0	University of North Carolina
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Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	\$0	University of North Carolina
16p11.2 deletion mice: Autism-relevant phenotypes and treatment discovery	\$200,000	Stanford University
PsychoGenics Inc.	\$218,567	PsychoGenics Inc.
Mechanism and treatment of ASD related behavior in the Cntnap2 knockout mouse model	\$0	University of California, Los Angeles
Temporally controlled genetic rescue of Shank3 autism model	\$0	University of Texas Southwestern Medical Center
Rat knockout models of ASD	\$0	Baylor College of Medicine
Identifying high-impact therapeutic targets for autism spectrum disorders using rat models	\$0	Mount Sinai School of Medicine
Effects of oxytocin receptor agonists in mouse models of autism spectrum disorder phenotypes	\$0	University of North Carolina
Integrative system biology of iPSC-induced neurons for identifying novel drug targets	\$0	Baylor College of Medicine
Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells	\$0	Salk Institute for Biological Studies
How do autism-related mutations affect basal ganglia function?	\$62,500	University of California, Berkeley
The role of PTCHD1 in thalamic reticular nucleus function and ASD	\$125,000	Massachusetts Institute of Technology
Analysis of oxytocin function in brain circuits processing social cues	\$62,500	Harvard University
Molecular consequences of strong effect ASD mutations including 16p11.2	\$125,000	Massachusetts General Hospital
16p11.2: Defining the gene(s) responsible (grant 1)	\$210,240	Cold Spring Harbor Laboratory
Chromatin remodeling in autism	\$125,000	Stanford University
Functional connectivity in monogenic mouse models of autism	\$55,260	Fondazione Istituto Italiano di Tecnologia
Understanding brain disorders related to the 15q11.2 chromosomal region	\$125,000	Johns Hopkins University
Understanding copy number variants associated with autism	\$250,000	Duke University
A zebrafish model to identify epigenetic mechanisms relevant to autism	\$60,000	King's College London
Role of the CUL3-mediated ubiquitination pathway in autism	\$59,340	Portland State University
The tissue-specific transcriptome anatomy of 16p11.2 microdeletion syndrome	\$60,000	Massachusetts General Hospital

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Characterization of brain and behavior in 7q11.23 duplication syndrome-Project 1	\$90,696	University of California, Davis
Comprehensive Phenotyping of Autism Mouse Models	\$58,713	University of Pennsylvania
Optical imaging of circuit dynamics in autism models in virtual reality	\$184,781	Harvard Medical School
Preclinical therapeutic target validation of glutamate receptors in Shank3 models of autism	\$0	University of Texas Southwestern Medical Center
Evaluating hyperserotonemia as a biomarker of sensory dysfunction in autism spectrum disorder	\$0	Vanderbilt University
Novel approaches to enhance social cognition by stimulating central oxytocin release	\$149,665	Emory University
Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells	\$0	University of California, San Francisco
Effects of Chronic Intranasal Oxytocin	\$1,103,903	University of California, Davis
Novel Genetic Models of Autism	\$328,415	UT SOUTHWESTERN MEDICAL CENTER
Reversing BDNF Impairments in Rett Mice with TRPC Channel Activators	\$142,398	UNIVERSITY OF ALABAMA AT BIRMINGHAM
Studies of genetic and metabolic disorders, autism and premature aging	\$157,328	National Institutes of Health
Effects of Chronic Intranasal Oxytocin	\$125,448	University of California, Davis
Animal Model of Speech Sound Processing in Autism	\$251,777	UNIVERSITY OF TEXAS DALLAS
Characterization of the Schizophrenia-associated 3q29 Deletion in Mouse	\$477,402	Emory University
Preclinical evaluation of NMDA receptor antagonists for treating Rett Syndrome	\$396,250	CASE WESTERN RESERVE UNIVERSITY
Regulation of Neuroligins and Effects on Synapse Number and Function	\$759,674	National Institutes of Health
THE GENETIC AND NEUROANATOMICAL ORIGIN OF SOCIAL BEHAVIOR	\$391,250	BAYLOR COLLEGE OF MEDICINE
Prefrontal function in the Shank3-deficient rat: A first rat model for ASD	\$544,401	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Casein Kinase 1 Inhibitors for Treatment of Autism	\$349,610	INTRA-CELLULAR THERAPIES, INC.
Stable Zebrafish Models of Autism Spectrum Disorder	\$75,250	University of Miami
Functional analysis of the Schizophrenia and Autism Spectrum Disorder gene TCF4 i	\$457,500	LIEBER INSTITUTE, INC.
Mechanisms of circuit failure and treatments in patient-derived neurons in autism	\$406,250	BROWN UNIVERSITY
A novel neural circuit analysis paradigm to model autism in mice	\$196,667	Duke University
Modeling The Serotonin Contribution to Autism Spectrum Disorders	\$229,702	Vanderbilt University
Identifying therapeutic targets for autism using Shank3-deficient mice	\$486,501	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Deficits in tonic inhibition and the pathology of autism spectrum disorders	\$0	Tufts University
The role of glutamate receptor interacting proteins in autism	\$125,000	Johns Hopkins University

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A novel window into ASD through genetic targeting of striosomes - Core	\$83,764	Massachusetts Institute of Technology
Synaptic pathophysiology of 16p11.2 model mice	\$125,000	Massachusetts Institute of Technology
Cerebellar signaling in mouse models of autism	\$0	NORTHWESTERN UNIVERSITY
Misregulation of microtubule dynamics in Autism	\$0	Drexel University
Microcircuit endophenotypes for autism	\$62,500	University of California, San Francisco
Exploring VIPR2 microduplication linkages to autism in a mouse model	\$0	University of California, Los Angeles
A NOVEL TRANSLATIONAL MODEL OF AUTISUM SPECTRUM DISORDER	\$223,125	Emory University
Functional Analysis of Rare Variants in Genes Associated with Autism	\$146,625	Yale University
Vicarious Neural Activity, Genetic Differences and Social Fear Learning	\$56,978	Oregon Health & Science University
Striatal synaptic Abnormalities in Models of Autism	\$397,500	UT SOUTHWESTERN MEDICAL CENTER
Mechanisms of stress-enhanced aversive conditioning	\$381,250	NORTHWESTERN UNIVERSITY
Neurobiological Signatures of Social Dysfunction and Repetitive Behavior	\$390,000	Vanderbilt University
Oxytocin Receptors and Social Behavior	\$440,363	Emory University
Roles of Oxytocin and Vasopressin in Brain	\$1,947,833	National Institutes of Health
Biomarker discovery for low sociability: A monkey model	\$125,000	Stanford University
A mouse model of top-down interactions	\$100,000	Rockefeller University
Preclinical Autism Consortium for Therapeutics (PACT)- Boston Children's Hospital	\$316,301	Boston Children's Hospital
Preclinical Autism Consortium for Therapeutics (PACT)	\$389,677	University of California, Davis
Safety, Efficacy and Basis of Oxytocin and Brain Stimulation Therapy in ASD	\$114,583	University of Pennsylvania
Deep Brain Stimulation for Autistic Self-Injurious Behavior	\$60,000	Johns Hopkins University
Functional consequences of disrupted MET signaling	\$48,509	Children's Hospital Los Angeles
Characterization of brain and behavior in 7q11.23 duplication syndrome-Core	\$164,326	University of Toronto
A novel window into ASD through genetic targeting of striosomes - Project 1	\$82,473	Cold Spring Harbor Laboratory
CHD8 and beta-catenin signaling in autism	\$62,500	University of Chicago
16p11.2 deletion mice: autism-relevant phenotypes and treatment discovery	\$200,000	University of California, Davis
In vivo approach to screen ASD allele functions in cortical interneurons	\$62,500	University of California, San Francisco
Rapid drug discovery in genetic models of autism	\$59,834	Research Center of Centre hospitalier de l'Université de Montréal
Deep Phenotyping of Autism Spectrum Disorder Mice	\$216,994	Harvard University
Behavioral evaluation of a novel autism mouse model	\$30,000	Shriners Hospitals for Children - Northern California
Dissecting striatal circuit dynamics during repetitive behaviors in autism	\$182,254	Fundação D. Anna de Sommer Champalimaud e Dr. Carlos Montez Champalimaud

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Investigating the effects of chromosome 22q11.2 deletions	\$0	Columbia University
Linking cortical circuit dysfunction and abnormal behavior in genetic mouse models of autism	\$258,358	University of California, Los Angeles
Endocannabinoid Enhancement of Sociability in Autism-related Mouse Models	\$25,000	University of California, Irvine
Characterization of synaptic and neural circuitry dysfunction underlying ASD-like behaviors using a novel genetic mouse model	\$15,000	Duke University
Investigations of a Proposed Molecular Feedback Loop in Cortical Neurons in Psychiatric Pathogenesis	\$25,000	University of California, San Francisco
Pinpointing Genes Underlying Autism in Chromosomal Region 16p11.2	\$30,000	Cold Spring Harbor Laboratory
Small-molecule compounds for treating autism spectrum disorders	\$0	University of North Carolina
Role of Caspr2 (CNTNAP2) in brain circuits - Project 2	\$159,168	University of California, Los Angeles
Disruption of Cortical Projection Neurons, Circuits, and Cognition in ASD	\$120,953	The George Washington University
Neurologin function in the prefrontal cortex and autism pathogenesis	\$125,000	Stanford University
Investigating Wnt signaling variants in mouse models of ASD	\$60,000	University of California, San Francisco
Role of Caspr2 (CNTNAP2) in brain circuits - Project 1	\$154,145	King's College London
Autism-linked TBR1 gene in learning-related synaptic plasticity	\$0	Columbia University
Circuit-level developmental and functional dynamics in an ASD genetic model	\$60,000	Univeristy of Queensland
Role of Caspr2 (CNTNAP2) in brain circuits- Core	\$89,999	Weizmann Institute of Science
Neural mechanisms of social reward in mouse models of autism	\$124,997	Stanford University

